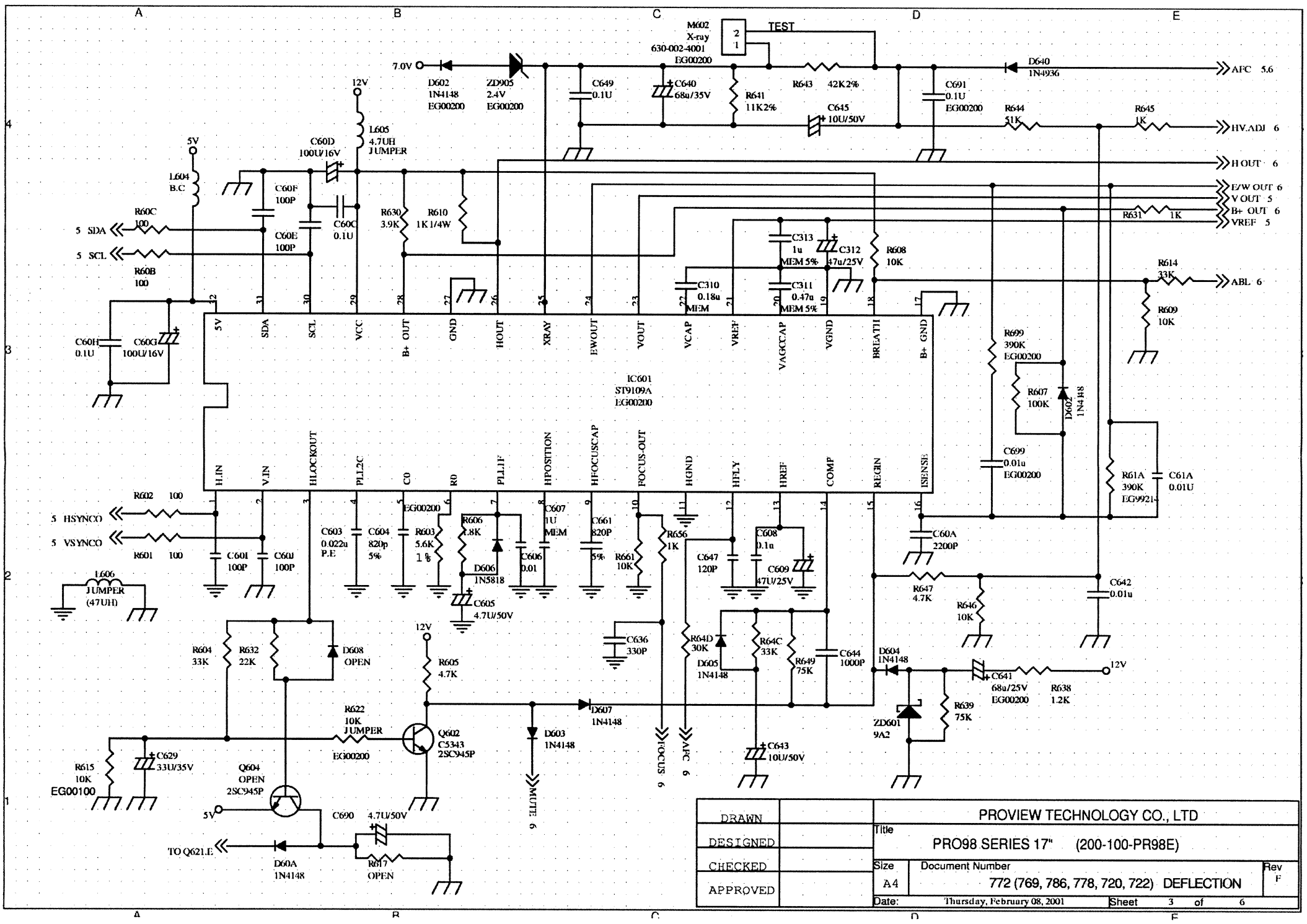
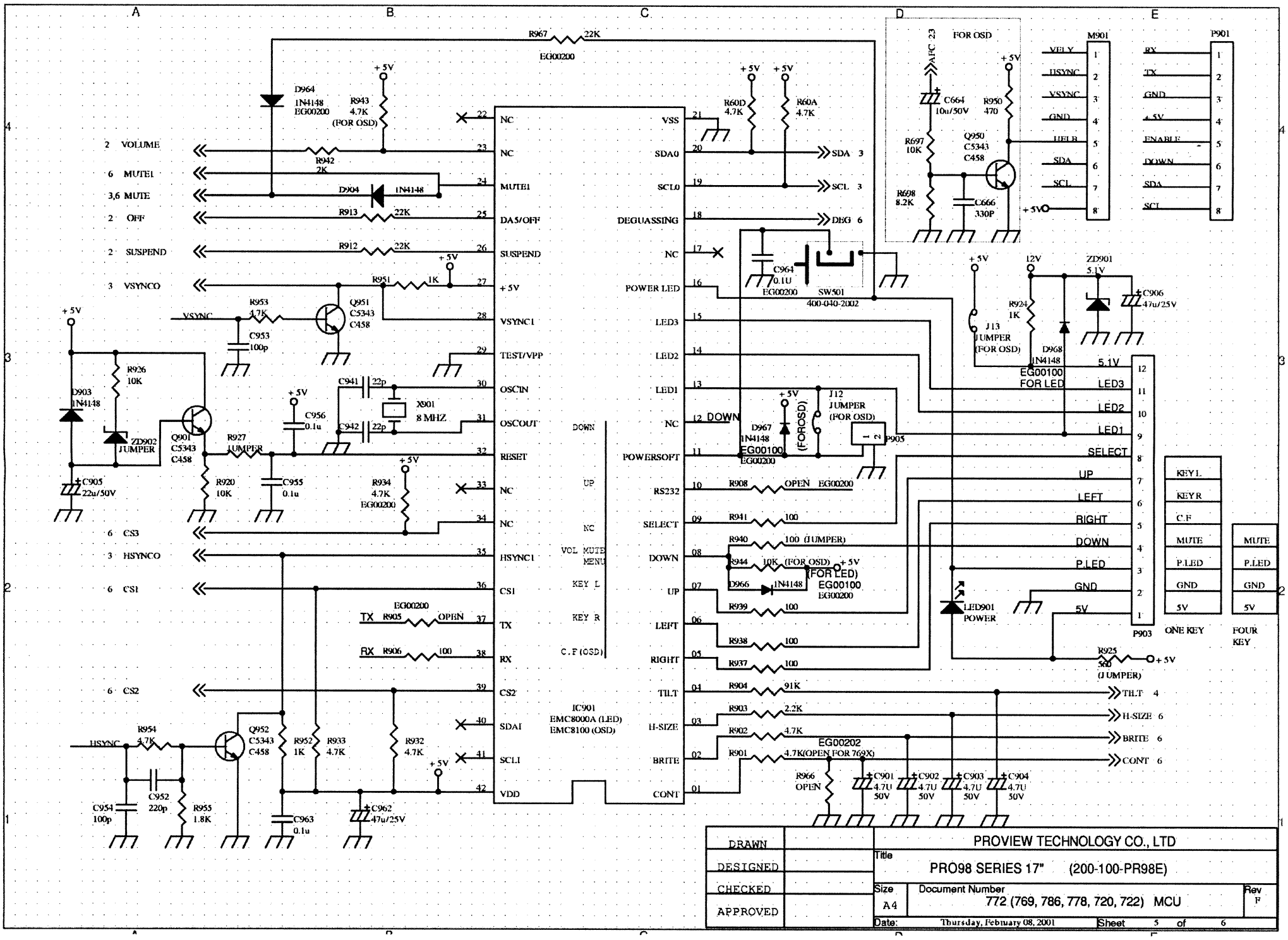
# PROVIEW 795 M

MODEL

SERVICE MANUAL




| | | | |
|---|---|---|---|
| DRAWN | | PROVIEW TECHNOLOGY CO., LTD | |
| DESIGNED | | Title: PRO98 SERIES 17" (200-100-PR98E) | |
| CHECKED | | Size: A4 | Document Number: 772 (769, 786, 778, 720, 722) DEFLECTION | Rev: F |
| APPROVED | | Date: Thursday, February 08, 2001 | Sheet 3 of 6 | |

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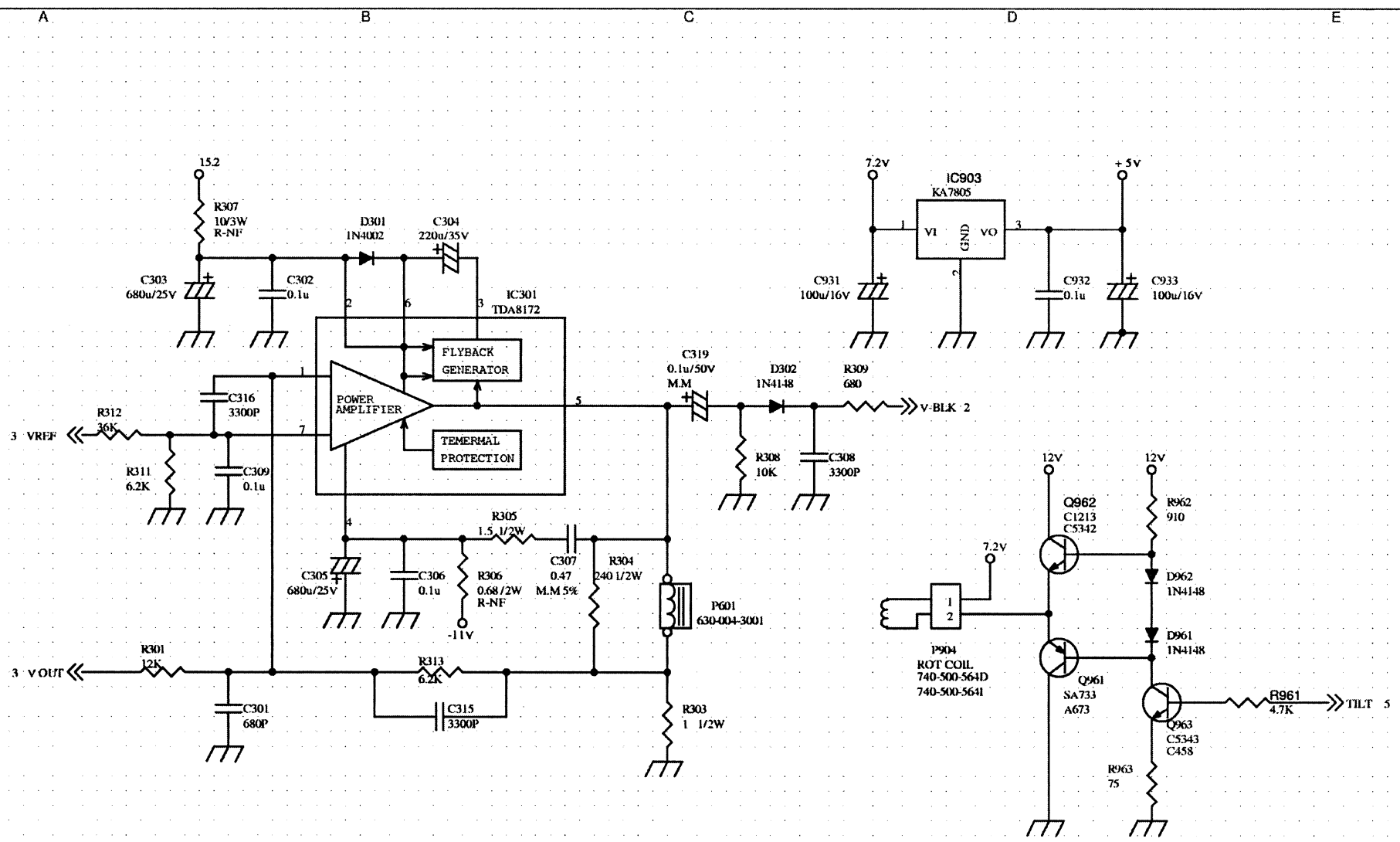
| CHECKED | | Size: A4 | Document Number: 772 (769, 786, 778, 720, 722) MCU |
| APPROVED | | Date: Thursday, February 08, 2001 | Sheet 5 of 6 |

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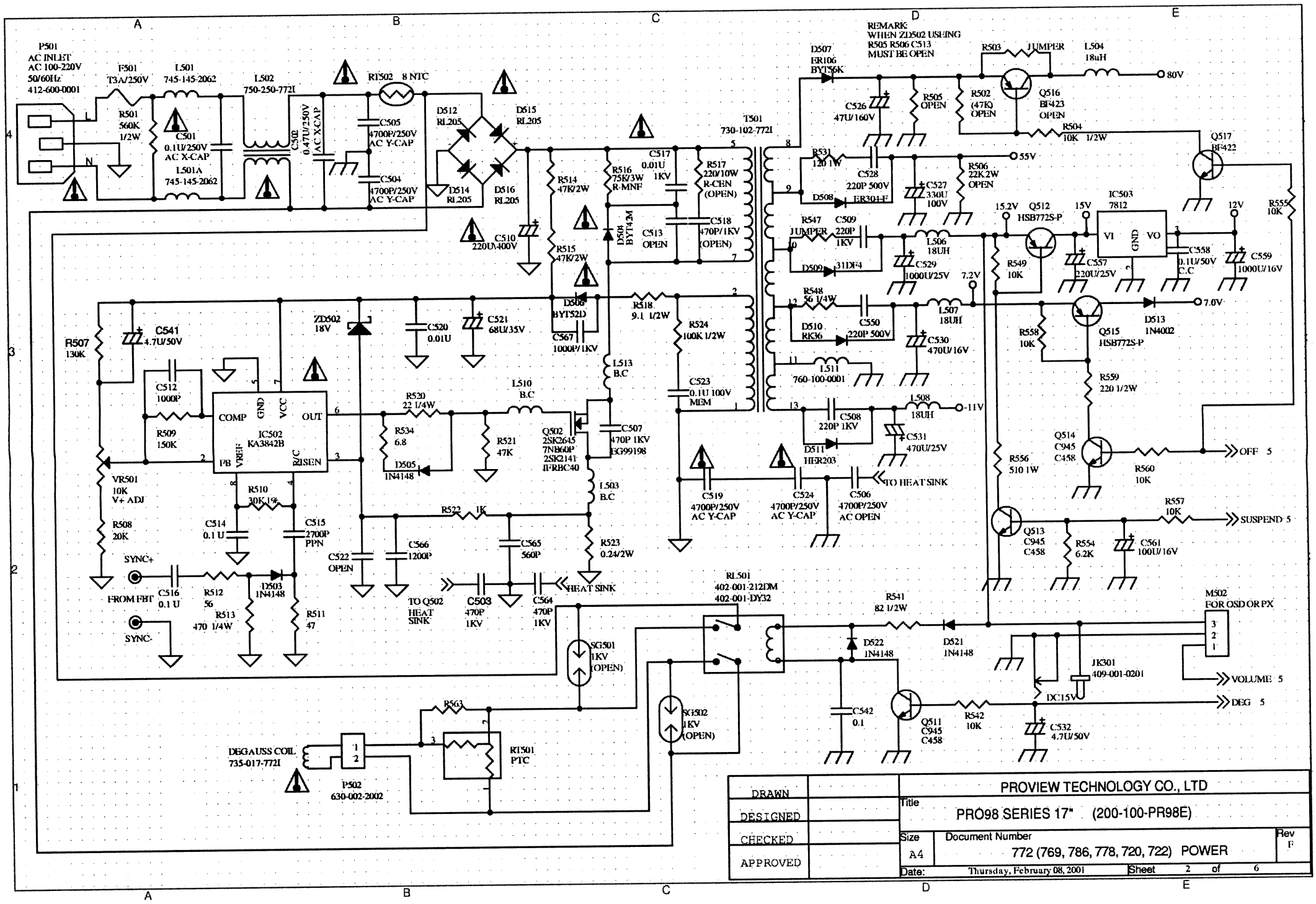
| CHECKED | | Size: A4 | Document Number: 772 (769, 786, 778, 720, 722) VERTICAL | Rev: F |
| APPROVED | | Date: Thursday, February 08, 2001 | Sheet 4 of 6 |

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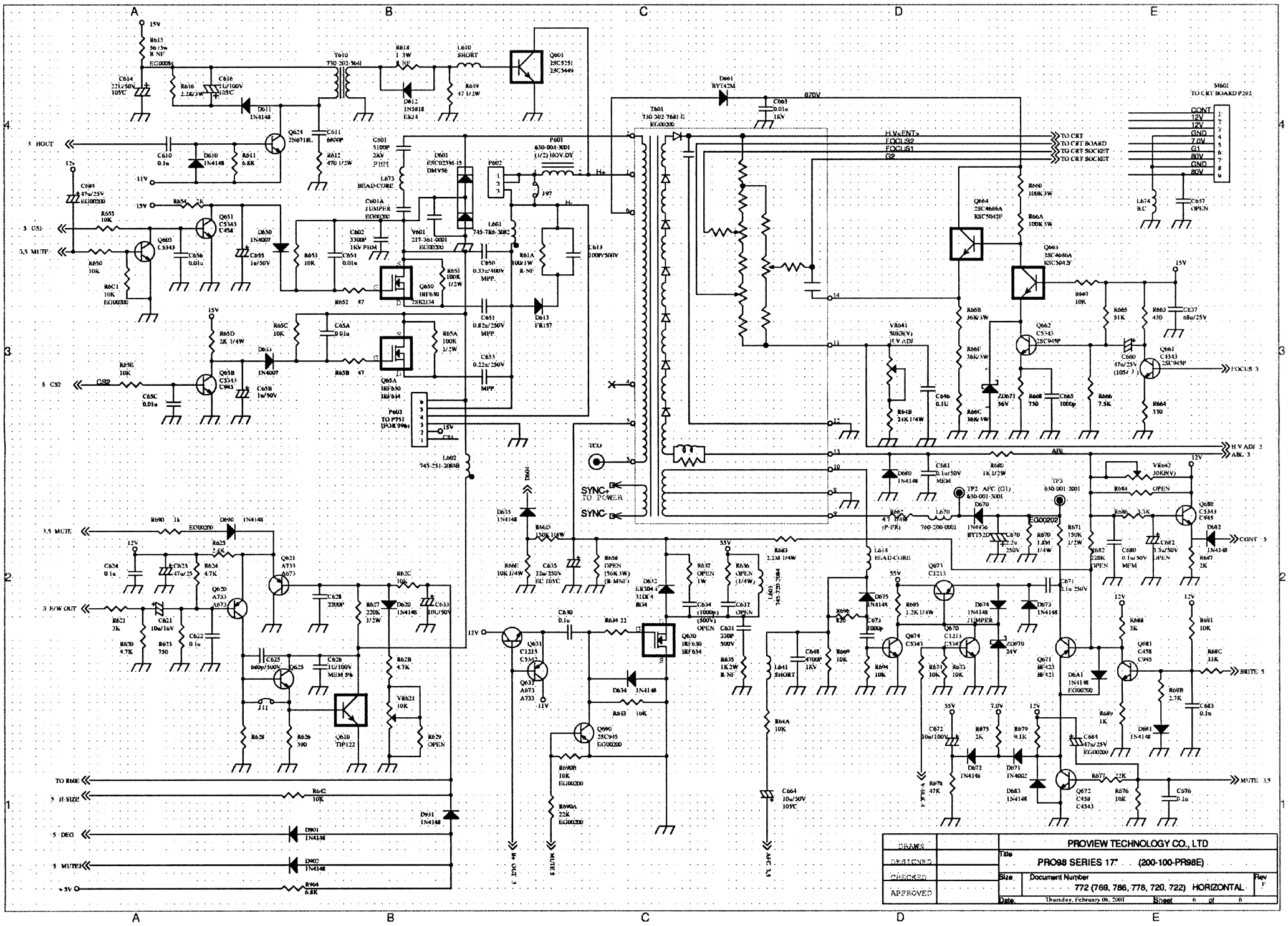
| CHECKED | | Size: A4 | Document Number: 772 (769, 786, 778, 720, 722) POWER |
| APPROVED | | Date: Thursday, February 08, 2001 | Sheet 2 of 6 |

Rev F

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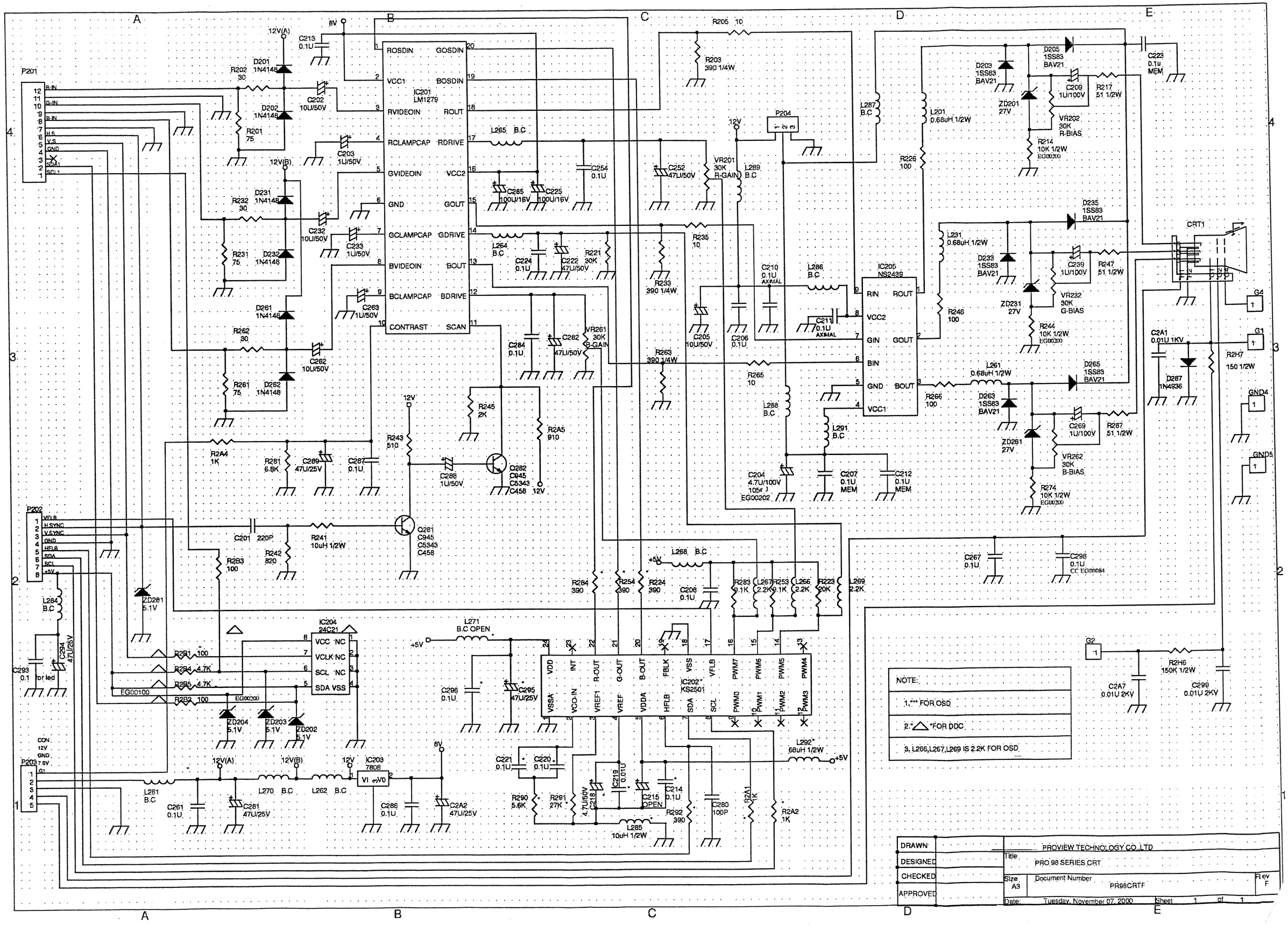
|---|---|---|
| DRAWN | | PROVIEW TECHNOLOGY CO., LTD |
| DESIGNED | | Title: PRO98 SERIES 17" (200-100-PR98E) |
| CHECKED | | Size: Document Number: 772 (769, 786, 778, 720, 722) HORIZONTAL; Rev: F |
| APPROVED | | Date: Thursday, February 08, 2001; Sheet 6 of 6 |


P201
12 R-IN
11 G-IN
10 B-IN
9
8 H.S
7 V.S
6 GND
5
4 SDA1
3 SCL1
2
1
12V(A)
8V
C213 0.1U
D201 1N4148
R202 30
C202 10U/50V
D202 1N4148
R201 75
12V(B)
D231 1N4148
R232 30
C232 10U/50V
C233 1U/50V
R231 75
D232 1N4148
D261 1N4148
R262 30
C262 10U/50V
R261 75
D262 1N4148
C203 1U/50V
C263 1U/50V
IC201 LM1279
ROSDIN
GOSDIN
VCC1
BOSDIN
RVIDEOIN
ROUT
RCLAMPCAP
RDRIVE
GVIDEOIN
VCC2
GND
GOUT
GCLAMPCAP
GDRIVE
BVIDEOIN
BOUT
BCLAMPCAP
BDRIVE
CONTRAST
SCAN
R205 10
R203 390 1/4W
L265 B.C
C254 0.1U
C285 100U/16V
C225 100U/16V
12V
P204
C252 47U/50V
VR201 30K R-GAIN
L269 B.C
L287 B.C
R226 100
L201 0.68uH 1/2W
D205 1SS83 BAV21
C223 0.1U MEM
D203 1SS83 BAV21
ZD201 27V
C209 1U/100V
R217 51 1/2W
VR202 30K R-BIAS
R214 10K 1/2W EG00200
D235 1SS83 BAV21
CRT1
L231 0.68uH 1/2W
D233 1SS83 BAV21
C239 1U/100V
R247 51 1/2W
VR232 30K G-BIAS
ZD231 27V
R244 10K 1/2W EG00200
R246 100
R235 10
R233 390 1/4W
C224 0.1U
C222 47U/50V
R221 30K
C210 0.1U AXIAL
L286 B.C
IC205 NS2439
RIN
ROUT
VCC2
GIN
GOUT
BIN
GND
BOUT
VCC1
C211 0.1U AXIAL
C205 10U/50V
C206 0.1U
C284 0.1U
C282 47U/50V
VR261 30K B-GAIN
R263 390 1/4W
R265 10
L288 B.C
L291 B.C
L261 0.68uH 1/2W
D265 1SS83 BAV21
R266 100
D263 1SS83 BAV21
C269 1U/100V
R287 51 1/2W
VR262 30K B-BIAS
ZD261 27V
R274 10K 1/2W EG00200
C204 4.7U/100V 105° J EG00202
C207 0.1U MEM
C212 0.1U MEM
C267 0.1U
C298 0.1U CC EG00084
C2A1 0.01U 1KV
D287 1N4936
R2H7 150 1/2W
G1
G4
GND4
GND5
R245 2K
R2A5 910
R243 510
R2A4 1K
R281 6.8K
C289 47U/25V
C287 0.1U
C288 1U/50V
Q282 C945 C5343 C458
12V
P202
VFLB
H.SYNC
V.SYNC
GND
HFLB
SDA
SCL
+5V
C201 220P
R241 10uH 1/2W
Q281 C945 C5343 C458
R2B3 100
ZD281 5.1V
L284 B.C
C294 47U/25V
C293 0.1 for led
IC204 24C21
VCC NC
VCLK NC
SCL NC
SDA VSS
R2B1 100
R2B4 4.7K
R2B5 4.7K
R2B2 100
EG00100
EG00200
ZD204 5.1V
ZD203 5.1V
ZD202 5.1V
L271 B.C OPEN
+5V
C296 0.1U
C295 47U/25V
R284 390
R254 390
R224 390
C208 0.1U
L268 B.C
R283 9.1K
L267 2.2K
R253 9.1K
L266 2.2K
R223 20K
L269 2.2K
IC202* KS2501
VDD
INT
R-OUT
G-OUT
B-OUT
FBLK
VSS
VFLB
PWM7
PWM6
PWM5
PWM4
VSSA
VCO-IN
VREF1
VREF
VDDA
HFLB
SDA
SCL
PWM0
PWM1
PWM2
PWM3
L292* 68uH 1/2W
+5V
C221 0.1U
C220 0.1U
C219 0.01U
C218 4.7U/50V
C215 OPEN
C214 0.1U
R290 5.6K
R291 27K
R292 390
C280 100P
R2A1 1K
R2A2 1K
L285 10uH 1/2W
C2A7 0.01U 2KV
R2H6 150K 1/2W
C299 0.01U 2KV
G2
P203
CON
12V
GND
7.6V
G1
L261 B.C
C261 0.1U
L270 B.C
C281 47U/25V
L262 B.C
IC203 7808
VI
VO
C286 0.1U
C2A2 47U/25V
8V
NOTE:
1."*" FOR OSD
2."△" FOR DDC
3. L266,L267,L269 IS 2.2K FOR OSD
DRAWN
DESIGNED
CHECKED
APPROVED
PROVIEW TECHNOLOGY CO.,LTD
Title
PRO 98 SERIES CRT
Size A3
Document Number
PR98CRTF
Rev F
Date: Tuesday, November 07, 2000
Sheet 1 of 1
A
B
C
D
E

# PRO98 SERIES

# 772(769,786,778,720,722) DESIGN

PCB NO: 200-100-PR98E REVF(F+ ,F2+ )


| PAGE | PAGE INDEX |
|---|---|
| 1 | TITLE PAGE |
| 2 | POWER |
| 3 | DEFLECTION |
| 4 | VERTICAL |
| 5 | MCU |
| 6 | HORIZONTAL |


| | | |
|---|---|---|
| DRAWN | | PROVIEW TECHNOLOGY CO., LTD |
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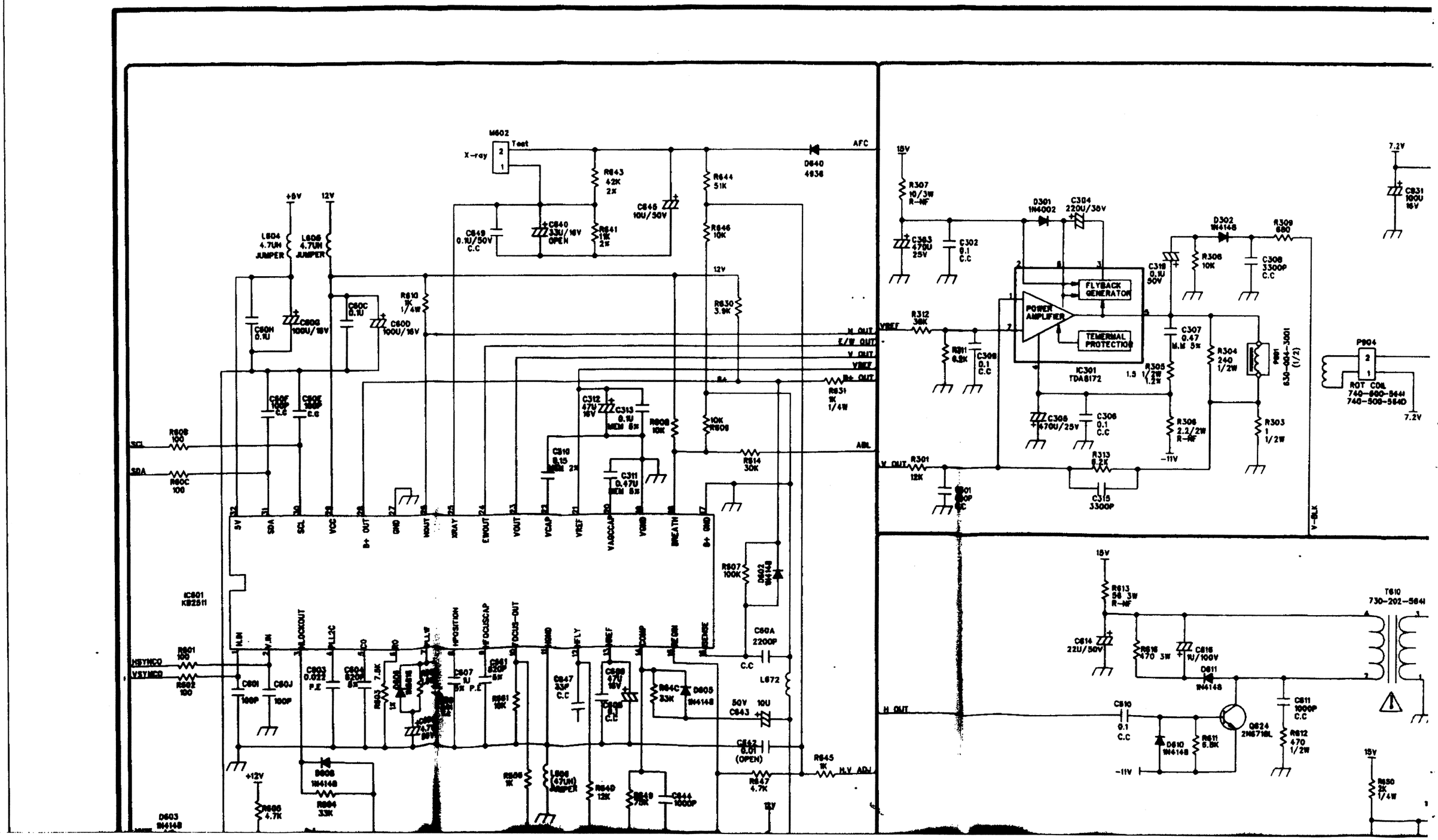
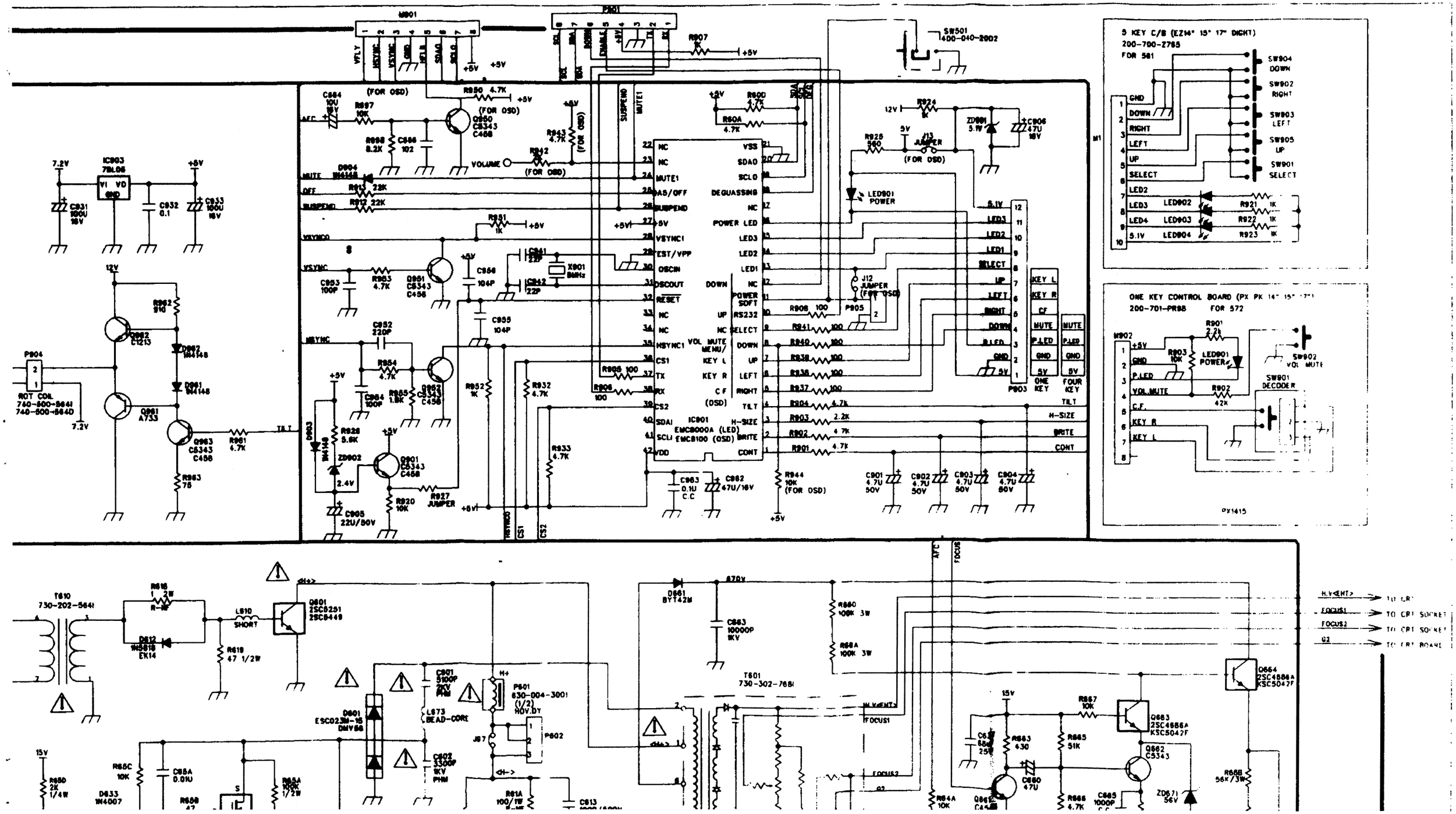
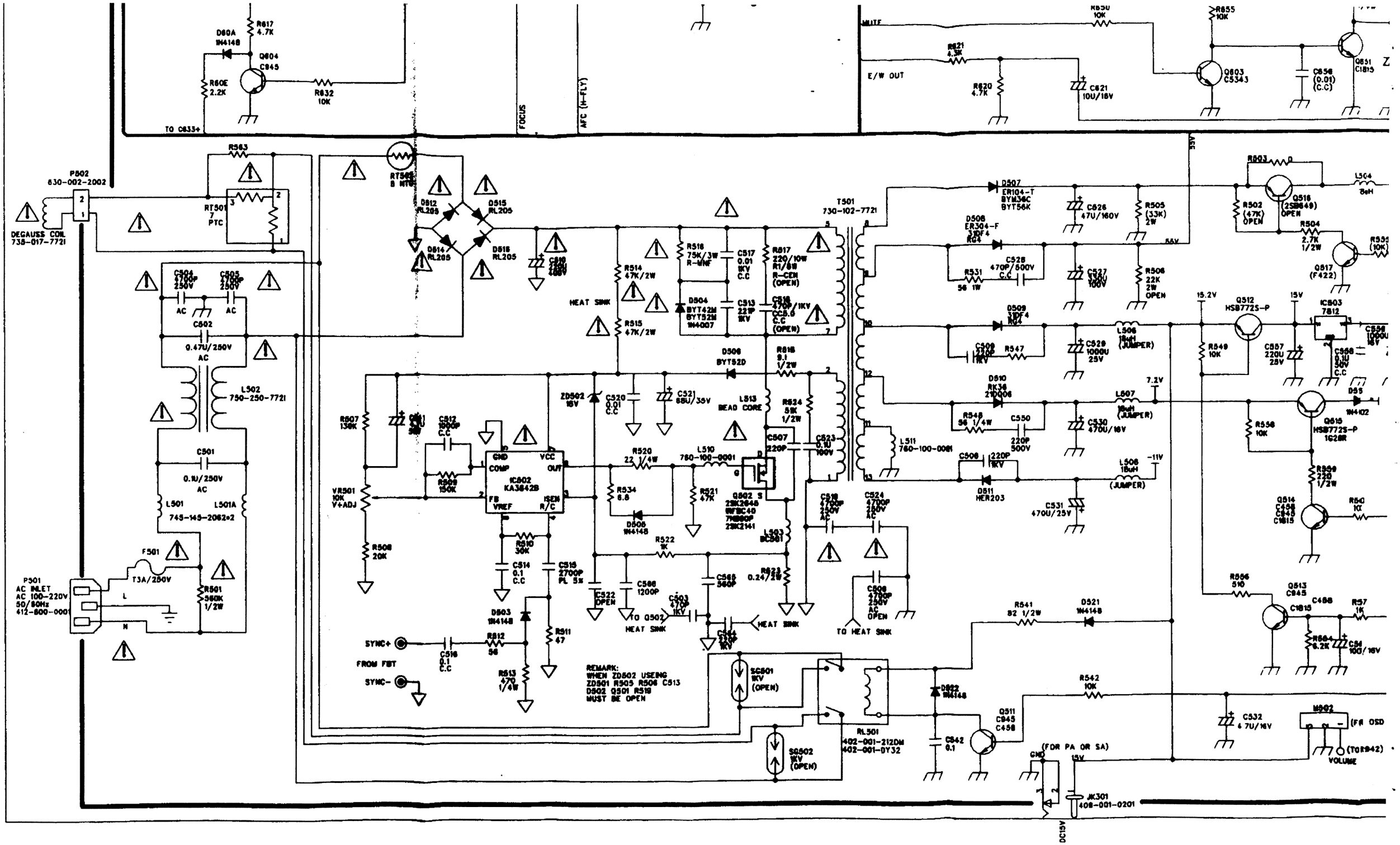
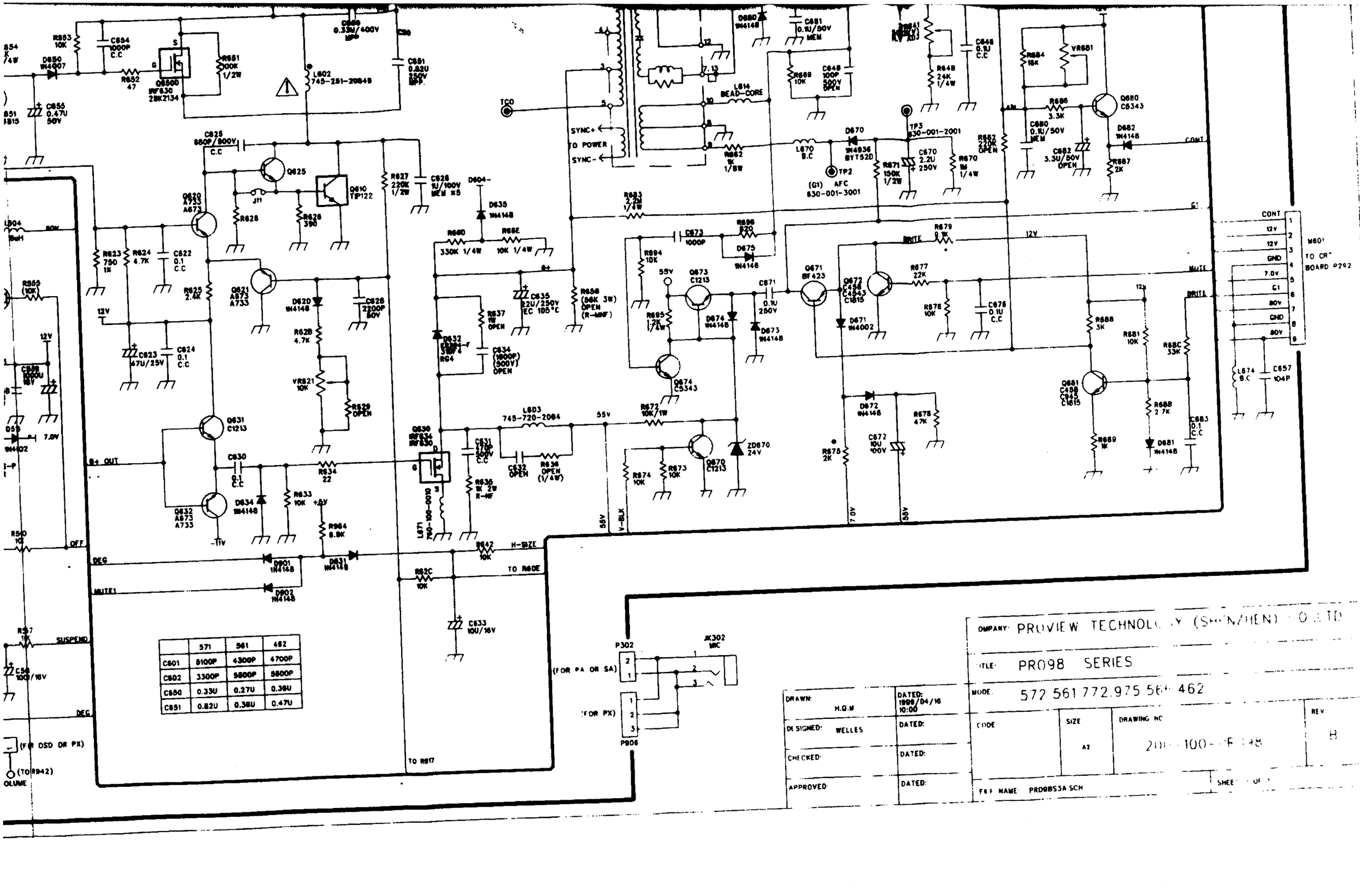
| CHECKED | | Size: A4 / Document Number: 772(769,786,778,720,722) / Rev: F |
| APPROVED | | Date: Thursday, February 08, 2001 / Sheet 1 of 6 |


M602
Test
X-ray
AFC
D640
4936
R643
42K
2%
R644
51K
C645
10U/50V
C649
0.1U/50V
C.C
C640
33U/16V
OPEN
R641
1K
2%
R646
10K
+8V
12V
L604
4.7UH
JUMPER
L605
4.7UH
JUMPER
C60H
0.1U
C60G
100U/16V
C60C
0.1U
C600
100U/16V
R610
1K
1/4W
12V
R630
3.9K
H OUT
E/W OUT
V OUT
VREF
B+
B+ OUT
R631
1K
1/4W
ABL
C312
470
16V
C313
0.1U
MEM 5%
R608
10K
R609
10K
C310
0.15
MEM 2%
C311
0.47U
MEM 5%
R614
30K
R608
100
SCL
SDA
R60C
100
5V
SDA
SCL
VCC
B+ OUT
GND
HOUT
XRAY
EWOUT
VOUT
VCAP
VREF
VAGCCAP
VBIB
BREATH
B+ GND
IC601
KB2511
R607
100K
D602
1N4148
C60A
2200P
C.C
L672
50V 10U
C643
C642
0.01
(OPEN)
R645
1K
H.V ADJ
R647
4.7K
12V
R601
100
R602
100
HSYNCO
VSYNCO
C601
100P
C60J
100P
C603
0.022
P.E
C604
470P
5%
R603
7.8K
1%
C607
1U
5% P.E
C641
220P
5%
R661
10K
C647
33UP
C.C
C648
47U
16V
C.C
R64C
33K
D605
1N4148
R606
1K
L606
(47UH)
JUMPER
R640
12K
R649
75K
C644
1000P
+12V
R605
4.7K
D606
1N4148
R604
33K
D603
1N4148
15V
R307
10/3W
R-NF
C383
470U
25V
C302
0.1
C.C
D301
1N4002
C304
220U/35V
FLYBACK
GENERATOR
POWER
AMPLIFIER
TEMERMAL
PROTECTION
IC301
TDA8172
R312
36K
VREF
R311
6.2K
C308
0.1
C.C
C318
0.1U
50V
R306
10K
D302
1N4148
R309
680
C308
3300P
C.C
C307
0.47
M.M 5%
R305
1.5 1/2W
1.2%
R304
240
1/2W
R306
2.2/2W
R-NF
-11V
C306
470U/25V
C306
0.1
C.C
R313
6.2K
C315
3300P
R303
1
1/2W
P901
630-004-3001
(1/2)
P904
ROT COIL
740-600-5641
740-500-5640
7.2V
C831
1000U
16V
7.2V
V-BLK
R301
12K
C301
100P
C.C
H OUT
15V
R613
56 3W
R-NF
C614
22U/50V
R616
470 3W
C616
1U/100V
D611
1N4148
T610
730-202-5641
C610
0.1
C.C
D610
1N4148
R611
6.8K
Q624
2N6718L
C611
1000P
C.C
R612
470
1/2W
-11V
15V
R650
2K
1/4W


M901
P901
SW501
400-040-2002
5 KEY C/B (EZ14" 15" 17" DIGHT)
200-700-Z785
FOR 581
SW904 DOWN
SW902 RIGHT
SW903 LEFT
SW905 UP
SW901 SELECT
ONE KEY CONTROL BOARD (PX PK 14" 15" 17"
200-701-PR98 FOR 572
SW902 VOL MUTE
SW901 DECODER
PX1415
IC903 78L05
IC901 EMC8000A (LED) EMC8100 (OSD)
LED901 POWER
ROT COIL 740-800-5641 740-800-5640
T610 730-202-5641
T801 730-302-7681
P501 630-004-3001 (1/2) NOV.DY
Q664 2SC4886A KSC5042F
Q663 2SC4886A KSC5042F
Q662 C5343
Q661 A733
Q660 C5343 C458
Q601 2SC5251 2SC5449
D661 BYT42M
D601 ESC023M-18 DMV56
D633 W4007
D612 W5818 EK14
D901 W4148
D902 W4148
D903 W4148
ZD902 2.4V
ZD901 5.1V
ZD671 56V
X901 8MHz
L610 SHORT
L673 BEAD-CORE
R619 47 1/2W
R927 JUMPER
J12 JUMPER (FOR OSD)
J13 JUMPER (FOR OSD)
(FOR OSD)
VOLUME
TO CRT SOCKET
TO CRT BOARD


TO C833+
D60A IN4148
R617 4.7K
Q604 C945
R60E 2.2K
R632 10K
FOCUS
AFC (H-FLY)
MUTE
E/W OUT
R621 4.3K
R620 4.7K
C621 10U/16V
R630 10K
R655 10K
Q603 C5343
C656 (0.01) (C.C)
Q651 C1815
P502 630-002-2002
DEGAUSS COIL 738-017-7721
R563
RT501 7 PTC
RT502 8 NTC
D512 RL205
D515 RL205
D514 RL205
D516 RL205
C519 220U 250V
T501 730-102-7721
R514 47K/2W
R515 47K/2W
HEAT SINK
R516 75K/3W R-MNF
C517 0.01 1KV C.C
D504 BYT42M BYT52M IN4007
C518 470P/1KV CC5.0 C.C (OPEN)
R517 220/10W R1/6W R-CEM (OPEN)
D506 BYT52D
R518 9.1 1/2W
C504 4700P 250V
C505 4700P 250V
AC
C502
0.47U/250V AC
L502 750-250-7721
C501
0.1U/250V AC
L501 L501A 745-145-2062+2
F501 T3A/250V
P501 AC INLET AC 100-220V 50/60Hz 412-600-0001
R501 360K 1/2W
L
N
ZD502 18V
C520 0.01 C.C
C521 68U/35V
L513 BEAD CORE
R524 5K 1/2W
C507 220P
C523 0.1U 100V
R507 136K
C512 1000P C.C
R509 150K
IC502 KA3842B
GND VCC COMP OUT FB ISEN VREF R/C
R520 22 1/4W
L510 760-100-0001
Q502 S 2SK2648 OR BC40 7N60P 2SK2141
R534 6.8
D505 1N4148
R521 47K
L503 BC561
VR501 10K V+ADJ
R508 20K
R510 30K
C514 0.1 C.C
C515 2700P PL 5%
R522 1K
C522 OPEN
C566 1200P
C503 470P 1KV
C565 560P
R523 0.24/2W
TO Q502 HEAT SINK
HEAT SINK
TO HEAT SINK
C508 4700P 250V AC OPEN
C518 4700P 250V AC
C524 4700P 250V AC
SYNC+
FROM FBT
SYNC-
C516 0.1 C.C
D503 1N4148
R512 56
R511 47
R513 470 1/4W
REMARK:
WHEN ZD502 USEING
ZD501 R505 R506 C513
D502 Q501 R519
MUST BE OPEN
SG501 1KV (OPEN)
SG502 1KV (OPEN)
RL501 402-001-212DM 402-001-0Y32
D507 ER104-T BYM36C BYT56K
D508 ER304-F 3DF4 RG4
C526 47U/160V
R505 (33K) 2W
R531 56 1W
C528 470P/500V C.C
C527 100U 100V
R506 22K 2W OPEN
D509 3DF4 RG4
C509 4700P 1KV
R547
C529 1000U 25V
L506 18uH (JUMPER)
D510 RK36 210006
R548 56 1/4W
C550 220P 500V
C530 470U/16V
L507 18uH (JUMPER)
L511 760-100-0001
C506 220P 1KV
D511 HER203
C531 470U/25V
L508 18uH (JUMPER)
R503 0
L504 3uH
R502 (47K) OPEN
Q516 (2SB649) OPEN
R504 2.7K 1/2W
Q517 (F422)
15.2V
Q512 HSB772S-P
IC803 7812
15V
7.2V
-11V
R549 10K
C557 220U 25V
C558 0.1U 50V C.C
C559 1000U 16V
D515 1N4002
Q515 HSB772S-P 1G28R
R558 10K
R559 220 1/2W
Q514 C458 C945 C1815
R560 1K
R566 510
Q513 C945 C1815
C488
R57 1K
R564 6.2K
C84 100/16V
R541 82 1/2W
D521 1N4148
R542 10K
D502 1N4148
Q511 C945 C458
C542 0.1
C532 4.7U/16V
M902
(FR OSD
(TO P942)
VOLUME
(FOR PA OR SA)
GND
15V
JK301 408-001-0201
DC15V




| | 571 | 561 | 462 |
|---|---|---|---|
| C801 | 8100P | 4300P | 4700P |
| C802 | 3300P | 5600P | 5600P |
| C850 | 0.33U | 0.27U | 0.36U |
| C851 | 0.82U | 0.38U | 0.47U |

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|---|---|---|---|
| DRAWN: H.Q.M | DATED: 1998/04/16 10:00 | COMPANY: PROVIEW TECHNOLOGY (SHENZHEN) CO.,LTD | |
| DESIGNED: WELLES | DATED: | TITLE: PR098 SERIES | |
| CHECKED: | DATED: | MODE: 572 561 772.975 56[illegible] 462 | |
| APPROVED: | DATED: | CODE | SIZE A2 / DRAWING NO 20[illegible]100-[illegible]48 / REV B |
| | | FILE NAME: PR098S3A.SCH | SHEET [illegible] OF [illegible] |